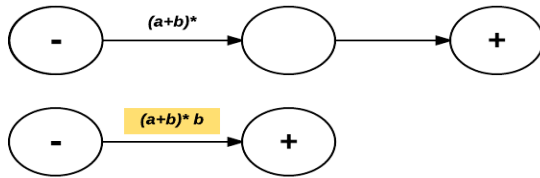


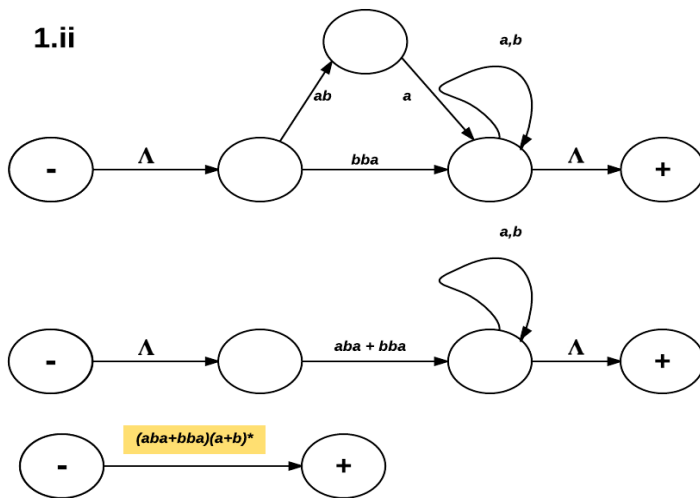
Homework 4 – Kleen's Theorem

1.

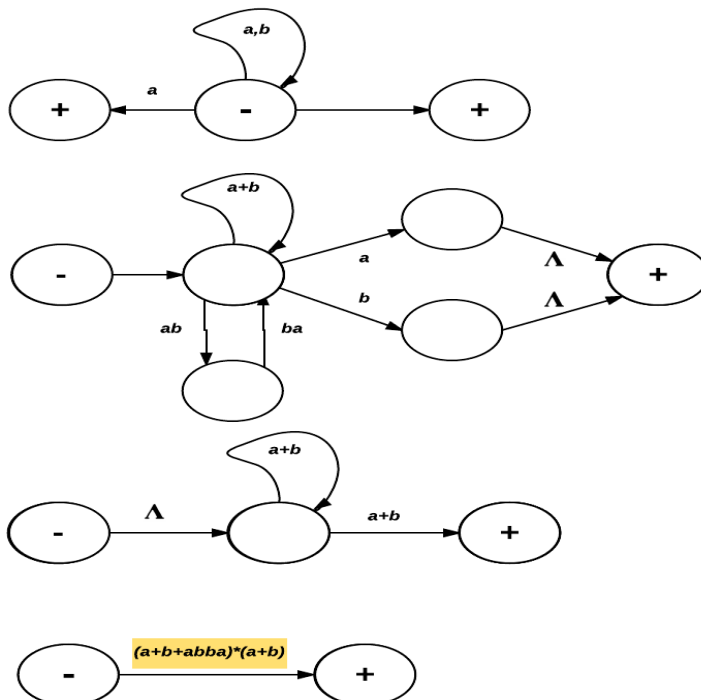
1.i



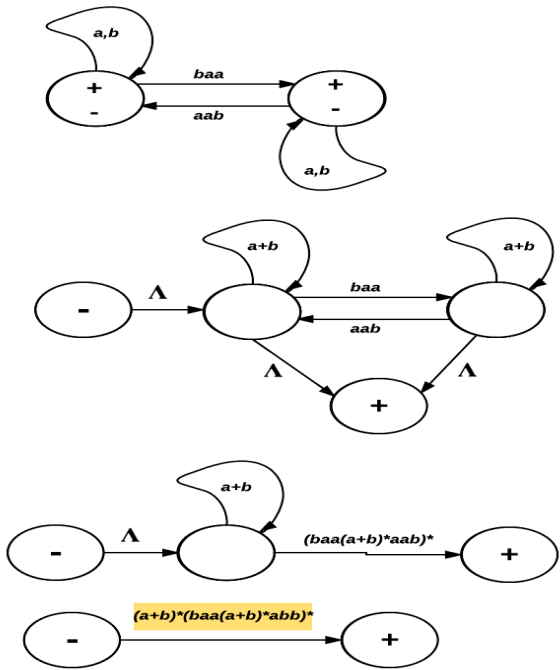
1.ii



1.iii



1.iv



3.

I.

Z_1	$w_1 + x_1$
Z_2	$w_2 + x_2$
Z_3	$w_2 + x_3$
Z_4	$w_1 + x_3$
Z_5	$w_1 + x_4$

II.

Z_1	$w_1 + y_1$
Z_2	$w_2 + y_2$
Z_3	$w_1 + y_3$
Z_4	$w_2 + y_3$
Z_5	$w_1 + y_4$

III.

Z_1	$x_1 + y_1$
Z_2	$x_2 + y_2$
Z_3	$x_1 + y_3$
Z_4	$x_2 + y_4$
Z_5	$x_3 + y_3$
Z_6	$x_1 + y_4$
Z_7	$x_3 + y_4$
Z_8	$x_3 + y_2$